To: 'Bernard, Nancy (DOH)'[Nancy.Bernard@DOH.WA.GOV]; Mullin, Michelle[Mullin.Michelle@epa.gov]
Cc: Amanda Zych[azych@snohd.org]
From: Jeff Ketchel
Sent: Thur 6/9/2016 4:40:50 PM
Subject: RE: Epoxy Encapsulant ORD Study

.....
,,,,,,,,,,
SHD does not have comments, thanks for sharing.

Jefferson Ketchel, MA RS| *Division Director*| *Environmental Health*

3020 Rucker Avenue, Suite #104 | Everett, WA 98201 | ***p: 425.339.8781*** *| c: 425.512.6294*

Public Health: Always working for a safer & healthier Snohomish County

From: Bernard, Nancy (DOH) [mailto:Nancy.Bernard@DOH.WA.GOV]
Sent: Wednesday, June 8, 2016 6:28 PM
To: 'Mullin, Michelle'
Cc: Amanda Zych ; Jeff Ketchel
Subject: RE: Epoxy Encapsulant ORD Study

Thank you Michelle,

No I do not have further questions. I assume this information is being provided to Monroe School District to assist them in choosing the best sealant?

Nancy

From: Mullin, Michelle [mailto:Mullin.Michelle@epa.gov]
Sent: Friday, June 03, 2016 4:36 PM
To: Bernard, Nancy (DOH) <Nancy.Bernard@DOH.WA.GOV>
Subject: Epoxy Encapsulant ORD Study

Hi Nancy-

I wanted to get back with you regarding your question about encapsulant with no/low VOCs for use over PCB contaminated caulk.

ORD complete research on this topic in 2010. As we stated on the phone call, In general, epoxy coatings that were tested had the best performance in the research. You wondered if we had any

further data regarding VOC-levels for epoxies, and on the call we could not recite that information.

Here is a link to the research fact sheet on encapsulation:
https://www.epa.gov/sites/production/files/2015-08/documents/pcb_encapsulation_fs.pdf

Here is a link the research report with more details:
https://www.epa.gov/sites/production/files/2015-08/documents/p100fa5l.pdf

You can see on pages 8 and 13 of the report that Epoxy- no solvent performed the best of the three tested epoxies. The Epoxy- low VOC performed the most poorly of the three epoxies, which was still significantly better than the other sealants tested.

For best performance to control migration of PCBs, the no-solvent Epoxy is recommended. Do you have any specific recommendations you would make to the school based on this information?

Michelle Mullin

PCB Coordinator

US EPA Region 10

1200 6th Avenue |Suite 900 | AWT-150

NOTE NEW MAILING ADDRESS

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206-553-1616

www.epa.gov/region10/pcb.html